

NOVA Chemicals Sclair® 94E Butene LMDPE Film and Extrusion Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , MDPE , Linear Medium Density Polyethylene (LMDPE), Film

Material Notes:

Features: Excellent processability Good stiffness and strength High stretchability Applications: Overwrap film Netting Blend resin Information provided by Nova Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-94E-Butene-LMDPE-Film-and-Extrusion-Resin.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	ASTM D792
Thickness	25.0 microns	0.984 mil	
Melt Flow	1.8 g/10 min @Load 2.16 kg, Temperature 190 °C	1.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength at Break	30.0 MPa	4350 psi	ASTM D638
Tensile Strength, Yield	17.2 MPa	2500 psi	ASTM D638
Elongation at Break	1100 %	1100 %	ASTM D638
Puncture Energy	0.275 J	0.203 ft-lb	Low Friction Puncture
Elmendorf Tear Strength MD	19 g	19 g	ASTM D1922
Elmendorf Tear Strength TD	140 g	140 g	ASTM D1922
Dart Drop Test	40.0 g	0.0882 lb	ASTM D1709/A

Thermal Properties	Metric	English	Comments
Melting Point	124 °C	255 °F	NOVA
Vicat Softening Point	119 °C	246 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

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